

|                                                          |                  |           |            |                      |  |  |  |                       |                     |              |                |                |  |
|----------------------------------------------------------|------------------|-----------|------------|----------------------|--|--|--|-----------------------|---------------------|--------------|----------------|----------------|--|
| Hull mammoth m0.png                                      |                  |           |            |                      |  |  |  | Hull mammoth m0.png   |                     |              |                |                |  |
| Protection                                               |                  |           |            |                      |  |  |  | Броня                 |                     |              |                |                |  |
|                                                          |                  |           |            |                      |  |  |  |                       |                     |              |                |                |  |
| (161.2 → 185.4)                                          |                  |           |            |                      |  |  |  | (161.2 → 185.4), х.п. |                     |              |                |                |  |
| Step                                                     | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  |  | Номер шага            | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |  |
| 1                                                        | 3                | 25        | 3          | 69                   |  |  |  | 1                     | 3                   | 25           | 3              | 69             |  |
| 2                                                        | 1.9              | 33        | 7          | 146                  |  |  |  | 2                     | 1.9                 | 33           | 7              | 146            |  |
| 3                                                        | 1.6              | 40        | 11         | 213                  |  |  |  | 3                     | 1.6                 | 40           | 11             | 213            |  |
| 4                                                        | 1.3              | 48        | 14         | 261                  |  |  |  | 4                     | 1.3                 | 48           | 14             | 261            |  |
| 5                                                        | 1.1              | 55        | 18         | 320                  |  |  |  | 5                     | 1.1                 | 55           | 18             | 320            |  |
| 6                                                        | 1.1              | 63        | 22         | 376                  |  |  |  | 6                     | 1.1                 | 63           | 22             | 376            |  |
| 7                                                        | 1                | 70        | 26         | 431                  |  |  |  | 7                     | 1                   | 70           | 26             | 431            |  |
| 8                                                        | 0.9              | 78        | 29         | 470                  |  |  |  | 8                     | 0.9                 | 78           | 29             | 470            |  |
| 9                                                        | 0.9              | 85        | 33         | 522                  |  |  |  | 9                     | 0.9                 | 85           | 33             | 522            |  |
| 10                                                       | 0.8              | 93        | 37         | 572                  |  |  |  | 10                    | 0.8                 | 93           | 37             | 572            |  |
| 11                                                       | 0.8              | 100       | 41         | 621                  |  |  |  | 11                    | 0.8                 | 100          | 41             | 621            |  |
| 12                                                       | 0.8              | 108       | 44         | 657                  |  |  |  | 12                    | 0.8                 | 108          | 44             | 657            |  |
| 13                                                       | 0.8              | 115       | 48         | 704                  |  |  |  | 13                    | 0.8                 | 115          | 48             | 704            |  |
| 14                                                       | 0.8              | 123       | 52         | 751                  |  |  |  | 14                    | 0.8                 | 123          | 52             | 751            |  |
| 15                                                       | 0.7              | 130       | 56         | 797                  |  |  |  | 15                    | 0.7                 | 130          | 56             | 797            |  |
| 16                                                       | 0.7              | 138       | 59         | 832                  |  |  |  | 16                    | 0.7                 | 138          | 59             | 832            |  |
| 17                                                       | 0.7              | 145       | 63         | 877                  |  |  |  | 17                    | 0.7                 | 145          | 63             | 877            |  |
| 18                                                       | 0.7              | 153       | 67         | 921                  |  |  |  | 18                    | 0.7                 | 153          | 67             | 921            |  |
| 19                                                       | 0.7              | 160       | 71         | 966                  |  |  |  | 19                    | 0.7                 | 160          | 71             | 966            |  |
| 20                                                       | 0.7              | 168       | 74         | 998                  |  |  |  | 20                    | 0.7                 | 168          | 74             | 998            |  |
| 21                                                       | 0.6              | 175       | 78         | 1042                 |  |  |  | 21                    | 0.6                 | 175          | 78             | 1042           |  |
| 22                                                       | 0.7              | 183       | 82         | 1085                 |  |  |  | 22                    | 0.7                 | 183          | 82             | 1085           |  |
| 23                                                       | 0.7              | 190       | 86         | 1128                 |  |  |  | 23                    | 0.7                 | 190          | 86             | 1128           |  |
| 24                                                       | 0.6              | 198       | 90         | 1170                 |  |  |  | 24                    | 0.6                 | 198          | 90             | 1170           |  |
| 25                                                       | 0.6              | 205       | 93         | 1202                 |  |  |  | 25                    | 0.6                 | 205          | 93             | 1202           |  |
| Total:                                                   | 24.2             | 2 881     | 1 204      | 17 131               |  |  |  | Итого:                | 24.2                | 2 881        | 1 204          | 17 131         |  |
| Discount on M1 when parameter is fully upgraded – 33.75% |                  |           |            |                      |  |  |  |                       |                     |              |                |                |  |
| Top speed                                                |                  |           |            |                      |  |  |  |                       |                     |              |                |                |  |
| (3.12 → 3.27)                                            |                  |           |            |                      |  |  |  |                       |                     |              |                |                |  |
| Step                                                     | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  |  | Номер шага            | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |  |
| 1                                                        | 0.04             | 20        | 2          | 47                   |  |  |  | 1                     | 0.04                | 20           | 2              | 47             |  |
| 2                                                        | 0.02             | 44        | 14         | 261                  |  |  |  | 2                     | 0.02                | 44           | 14             | 261            |  |
| 3                                                        | 0.03             | 68        | 26         | 431                  |  |  |  | 3                     | 0.03                | 68           | 26             | 431            |  |
| 4                                                        | 0.02             | 91        | 38         | 584                  |  |  |  | 4                     | 0.02                | 91           | 38             | 584            |  |
| 5                                                        | 0.02             | 115       | 50         | 728                  |  |  |  | 5                     | 0.02                | 115          | 50             | 728            |  |
| 6                                                        | 0.02             | 139       | 62         | 866                  |  |  |  | 6                     | 0.02                | 139          | 62             | 866            |  |
| 7                                                        | 0.02             | 163       | 74         | 998                  |  |  |  | 7                     | 0.02                | 163          | 74             | 998            |  |
| Total:                                                   | 0.15             | 640       | 266        | 3 915                |  |  |  | Итого:                | 0.15                | 640          | 266            | 3 915          |  |
| Discount on M1 when parameter is fully upgraded – 7.5%   |                  |           |            |                      |  |  |  |                       |                     |              |                |                |  |
| Turning speed                                            |                  |           |            |                      |  |  |  |                       |                     |              |                |                |  |
| (21.76 → 24.41)                                          |                  |           |            |                      |  |  |  |                       |                     |              |                |                |  |
| Step                                                     | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  |  | Номер шага            | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |  |
| 1                                                        | 0.33             | 3         | 1          | 25                   |  |  |  | 1                     | 0.33                | 3            | 1              | 25             |  |
| 2                                                        | 0.22             | 4         | 1          | 25                   |  |  |  | 2                     | 0.22                | 4            | 1              | 25             |  |
| 3                                                        | 0.16             | 5         | 2          | 47                   |  |  |  | 3                     | 0.16                | 5            | 2              | 47             |  |
| 4                                                        | 0.15             | 5         | 2          | 47                   |  |  |  | 4                     | 0.15                | 5            | 2              | 47             |  |
| 5                                                        | 0.12             | 6         | 2          | 47                   |  |  |  | 5                     | 0.12                | 6            | 2              | 47             |  |
| 6                                                        | 0.12             | 7         | 3          | 69                   |  |  |  | 6                     | 0.12                | 7            | 3              | 69             |  |
| 7                                                        | 0.11             | 8         | 3          | 69                   |  |  |  | 7                     | 0.11                | 8            | 3              | 69             |  |
| 8                                                        | 0.1              | 9         | 4          | 89                   |  |  |  | 8                     | 0.1                 | 9            | 4              | 89             |  |
| 9                                                        | 0.09             | 10        | 4          | 89                   |  |  |  | 9                     | 0.09                | 10           | 4              | 89             |  |
| 10                                                       | 0.09             | 10        | 4          | 89                   |  |  |  | 10                    | 0.09                | 10           | 4              | 89             |  |
| 11                                                       | 0.09             | 11        | 5          | 109                  |  |  |  | 11                    | 0.09                | 11           | 5              | 109            |  |
| 12                                                       | 0.09             | 12        | 5          | 109                  |  |  |  | 12                    | 0.09                | 12           | 5              | 109            |  |
| 13                                                       | 0.08             | 13        | 5          | 109                  |  |  |  | 13                    | 0.08                | 13           | 5              | 109            |  |
| 14                                                       | 0.08             | 14        | 6          | 128                  |  |  |  | 14                    | 0.08                | 14           | 6              | 128            |  |
| 15                                                       | 0.08             | 14        | 6          | 128                  |  |  |  | 15                    | 0.08                | 14           | 6              | 128            |  |
| 16                                                       | 0.08             | 15        | 6          | 128                  |  |  |  | 16                    | 0.08                | 15           | 6              | 128            |  |
| 17                                                       | 0.08             | 16        | 7          | 146                  |  |  |  | 17                    | 0.08                | 16           | 7              | 146            |  |
| 18                                                       | 0.08             | 17        | 7          | 146                  |  |  |  | 18                    | 0.08                | 17           | 7              | 146            |  |
| 19                                                       | 0.07             | 18        | 8          | 163                  |  |  |  | 19                    | 0.07                | 18           | 8              | 163            |  |
| 20                                                       | 0.07             | 19        | 8          | 163                  |  |  |  | 20                    | 0.07                | 19           | 8              | 163            |  |
| 21                                                       | 0.08             | 19        | 8          | 163                  |  |  |  | 21                    | 0.08                | 19           | 8              | 163            |  |
| 22                                                       | 0.07             | 20        | 9          | 180                  |  |  |  | 22                    | 0.07                | 20           | 9              | 180            |  |
| 23                                                       | 0.07             | 21        | 9          | 180                  |  |  |  | 23                    | 0.07                | 21           | 9              | 180            |  |

Totals  
Do  
Not  
Match  
Sums

|                                                         |                  |           |            |                      |  |  |  |                                                            |                     |              |                |                |
|---------------------------------------------------------|------------------|-----------|------------|----------------------|--|--|--|------------------------------------------------------------|---------------------|--------------|----------------|----------------|
| 24                                                      | 0.07             | 22        | 9          | 180                  |  |  |  | 24                                                         | 0.07                | 22           | 9              | 180            |
| 25                                                      | 0.07             | 23        | 10         | 197                  |  |  |  | 25                                                         | 0.07                | 23           | 10             | 197            |
| Total:                                                  | 2.65             | 321       | 134        | 2 825                |  |  |  | Итого:                                                     | 2.65                | 321          | 134            | 2 825          |
| Discount on M1 when parameter is fully upgraded – 3.75% |                  |           |            |                      |  |  |  | Скидка на M1 при полной прокачке данного параметра — 3.75% |                     |              |                |                |
| Weight                                                  |                  |           |            |                      |  |  |  | Масса                                                      |                     |              |                |                |
| (3618→3794)                                             |                  |           |            |                      |  |  |  | (3618→3794), усл.ед.                                       |                     |              |                |                |
| Step                                                    | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  |  | Номер шага                                                 | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |
| 1                                                       | 21               | 17        | 2          | 47                   |  |  |  | 1                                                          | 21                  | 17           | 2              | 47             |
| 2                                                       | 15               | 22        | 5          | 109                  |  |  |  | 2                                                          | 15                  | 22           | 5              | 109            |
| 3                                                       | 11               | 27        | 7          | 146                  |  |  |  | 3                                                          | 11                  | 27           | 7              | 146            |
| 4                                                       | 9                | 32        | 10         | 197                  |  |  |  | 4                                                          | 9                   | 32           | 10             | 197            |
| 5                                                       | 9                | 37        | 12         | 229                  |  |  |  | 5                                                          | 9                   | 37           | 12             | 229            |
| 6                                                       | 8                | 42        | 15         | 276                  |  |  |  | 6                                                          | 8                   | 42           | 15             | 276            |
| 7                                                       | 7                | 47        | 17         | 305                  |  |  |  | 7                                                          | 7                   | 47           | 17             | 305            |
| 8                                                       | 6                | 52        | 20         | 348                  |  |  |  | 8                                                          | 6                   | 52           | 20             | 348            |
| 9                                                       | 7                | 57        | 22         | 376                  |  |  |  | 9                                                          | 7                   | 57           | 22             | 376            |
| 10                                                      | 6                | 62        | 25         | 417                  |  |  |  | 10                                                         | 6                   | 62           | 25             | 417            |
| 11                                                      | 6                | 67        | 27         | 444                  |  |  |  | 11                                                         | 6                   | 67           | 27             | 444            |
| 12                                                      | 6                | 72        | 30         | 483                  |  |  |  | 12                                                         | 6                   | 72           | 30             | 483            |
| 13                                                      | 5                | 77        | 32         | 509                  |  |  |  | 13                                                         | 5                   | 77           | 32             | 509            |
| 14                                                      | 6                | 82        | 35         | 547                  |  |  |  | 14                                                         | 6                   | 82           | 35             | 547            |
| 15                                                      | 5                | 87        | 37         | 572                  |  |  |  | 15                                                         | 5                   | 87           | 37             | 572            |
| 16                                                      | 5                | 92        | 40         | 609                  |  |  |  | 16                                                         | 5                   | 92           | 40             | 609            |
| 17                                                      | 5                | 97        | 42         | 633                  |  |  |  | 17                                                         | 5                   | 97           | 42             | 633            |
| 18                                                      | 5                | 102       | 45         | 669                  |  |  |  | 18                                                         | 5                   | 102          | 45             | 669            |
| 19                                                      | 5                | 107       | 47         | 693                  |  |  |  | 19                                                         | 5                   | 107          | 47             | 693            |
| 20                                                      | 5                | 112       | 50         | 728                  |  |  |  | 20                                                         | 5                   | 112          | 50             | 728            |
| 21                                                      | 5                | 117       | 52         | 751                  |  |  |  | 21                                                         | 5                   | 117          | 52             | 751            |
| 22                                                      | 5                | 122       | 55         | 786                  |  |  |  | 22                                                         | 5                   | 122          | 55             | 786            |
| 23                                                      | 5                | 127       | 57         | 809                  |  |  |  | 23                                                         | 5                   | 127          | 57             | 809            |
| 24                                                      | 4                | 132       | 60         | 843                  |  |  |  | 24                                                         | 4                   | 132          | 60             | 843            |
| 25                                                      | 5                | 137       | 62         | 866                  |  |  |  | 25                                                         | 5                   | 137          | 62             | 866            |
| Total:                                                  | 176              | 1 925     | 806        | 12 392               |  |  |  | Итого:                                                     | 176                 | 1 925        | 806            | 12 392         |
| Discount on M1 when parameter is fully upgraded – 22.5% |                  |           |            |                      |  |  |  | Скидка на M1 при полной прокачке данного параметра — 22.5% |                     |              |                |                |
| Power                                                   |                  |           |            |                      |  |  |  | Мощность                                                   |                     |              |                |                |
| (535→588)                                               |                  |           |            |                      |  |  |  | (535→588), усл.ед.                                         |                     |              |                |                |
| Step                                                    | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  |  | Номер шага                                                 | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |
| 1                                                       | 7                | 6         | 1          | 25                   |  |  |  | 1                                                          | 7                   | 6            | 1              | 25             |
| 2                                                       | 4                | 8         | 2          | 47                   |  |  |  | 2                                                          | 4                   | 8            | 2              | 47             |
| 3                                                       | 3                | 9         | 3          | 69                   |  |  |  | 3                                                          | 3                   | 9            | 3              | 69             |
| 4                                                       | 3                | 11        | 3          | 69                   |  |  |  | 4                                                          | 3                   | 11           | 3              | 69             |
| 5                                                       | 3                | 13        | 4          | 89                   |  |  |  | 5                                                          | 3                   | 13           | 4              | 89             |
| 6                                                       | 2                | 14        | 5          | 109                  |  |  |  | 6                                                          | 2                   | 14           | 5              | 109            |
| 7                                                       | 2                | 16        | 6          | 128                  |  |  |  | 7                                                          | 2                   | 16           | 6              | 128            |
| 8                                                       | 2                | 17        | 7          | 146                  |  |  |  | 8                                                          | 2                   | 17           | 7              | 146            |
| 9                                                       | 2                | 19        | 7          | 146                  |  |  |  | 9                                                          | 2                   | 19           | 7              | 146            |
| 10                                                      | 2                | 21        | 8          | 163                  |  |  |  | 10                                                         | 2                   | 21           | 8              | 163            |
| 11                                                      | 2                | 22        | 9          | 180                  |  |  |  | 11                                                         | 2                   | 22           | 9              | 180            |
| 12                                                      | 2                | 24        | 10         | 197                  |  |  |  | 12                                                         | 2                   | 24           | 10             | 197            |
| 13                                                      | 1                | 26        | 11         | 213                  |  |  |  | 13                                                         | 1                   | 26           | 11             | 213            |
| 14                                                      | 2                | 27        | 12         | 229                  |  |  |  | 14                                                         | 2                   | 27           | 12             | 229            |
| 15                                                      | 1                | 29        | 12         | 229                  |  |  |  | 15                                                         | 1                   | 29           | 12             | 229            |
| 16                                                      | 2                | 31        | 13         | 245                  |  |  |  | 16                                                         | 2                   | 31           | 13             | 245            |
| 17                                                      | 2                | 32        | 14         | 261                  |  |  |  | 17                                                         | 2                   | 32           | 14             | 261            |
| 18                                                      | 1                | 34        | 15         | 276                  |  |  |  | 18                                                         | 1                   | 34           | 15             | 276            |
| 19                                                      | 2                | 35        | 16         | 291                  |  |  |  | 19                                                         | 2                   | 35           | 16             | 291            |
| 20                                                      | 1                | 37        | 16         | 291                  |  |  |  | 20                                                         | 1                   | 37           | 16             | 291            |
| 21                                                      | 2                | 39        | 17         | 305                  |  |  |  | 21                                                         | 2                   | 39           | 17             | 305            |
| 22                                                      | 1                | 40        | 18         | 320                  |  |  |  | 22                                                         | 1                   | 40           | 18             | 320            |
| 23                                                      | 1                | 42        | 19         | 334                  |  |  |  | 23                                                         | 1                   | 42           | 19             | 334            |
| 24                                                      | 2                | 44        | 20         | 348                  |  |  |  | 24                                                         | 2                   | 44           | 20             | 348            |
| 25                                                      | 1                | 45        | 20         | 348                  |  |  |  | 25                                                         | 1                   | 45           | 20             | 348            |
| Total:                                                  | 53               | 641       | 286        | 5 058                |  |  |  | Итого:                                                     | 53                  | 641          | 286            | 5 058          |
| Discount on M1 when parameter is fully upgraded – 7.5%  |                  |           |            |                      |  |  |  | Скидка на M1 при полной прокачке данного параметра — 7.5%  |                     |              |                |                |
| Micro-upgrades Mammoth M1                               |                  |           |            |                      |  |  |  | Микропрокачки Мамонта M1                                   |                     |              |                |                |
| Hull mammoth m1.png                                     |                  |           |            |                      |  |  |  | Hull mammoth m1.png                                        |                     |              |                |                |
| Protection                                              |                  |           |            |                      |  |  |  | Броня                                                      |                     |              |                |                |
| (193.7 → 272.6)                                         |                  |           |            |                      |  |  |  | (193.7 → 272.6), х.п.                                      |                     |              |                |                |

| Step                                                     | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  | Номер шага                                                  | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |
|----------------------------------------------------------|------------------|-----------|------------|----------------------|--|--|-------------------------------------------------------------|---------------------|--------------|----------------|----------------|
| 1                                                        | 9.8              | 121       | 36         | 559                  |  |  | 1                                                           | 9.8                 | 121          | 36             | 559            |
| 2                                                        | 6.4              | 341       | 94         | 1212                 |  |  | 2                                                           | 6.4                 | 341          | 94             | 1212           |
| 3                                                        | 5                | 561       | 152        | 1796                 |  |  | 3                                                           | 5                   | 561          | 152            | 1796           |
| 4                                                        | 4.2              | 781       | 210        | 2346                 |  |  | 4                                                           | 4.2                 | 781          | 210            | 2346           |
| 5                                                        | 3.8              | 1001      | 268        | 2875                 |  |  | 5                                                           | 3.8                 | 1001         | 268            | 2875           |
| 6                                                        | 3.4              | 1221      | 326        | 3389                 |  |  | 6                                                           | 3.4                 | 1221         | 326            | 3389           |
| 7                                                        | 3.2              | 1441      | 384        | 3891                 |  |  | 7                                                           | 3.2                 | 1441         | 384            | 3891           |
| 8                                                        | 3                | 1661      | 442        | 4383                 |  |  | 8                                                           | 3                   | 1661         | 442            | 4383           |
| 9                                                        | 2.9              | 1881      | 500        | 4867                 |  |  | 9                                                           | 2.9                 | 1881         | 500            | 4867           |
| 10                                                       | 2.7              | 2101      | 558        | 5344                 |  |  | 10                                                          | 2.7                 | 2101         | 558            | 5344           |
| 11                                                       | 2.7              | 2321      | 616        | 5815                 |  |  | 11                                                          | 2.7                 | 2321         | 616            | 5815           |
| 12                                                       | 2.5              | 2541      | 674        | 6280                 |  |  | 12                                                          | 2.5                 | 2541         | 674            | 6280           |
| 13                                                       | 2.5              | 2761      | 732        | 6741                 |  |  | 13                                                          | 2.5                 | 2761         | 732            | 6741           |
| 14                                                       | 2.5              | 2981      | 790        | 7198                 |  |  | 14                                                          | 2.5                 | 2981         | 790            | 7198           |
| 15                                                       | 2.3              | 3201      | 848        | 7651                 |  |  | 15                                                          | 2.3                 | 3201         | 848            | 7651           |
| 16                                                       | 2.4              | 3421      | 905        | 8092                 |  |  | 16                                                          | 2.4                 | 3421         | 905            | 8092           |
| 17                                                       | 2.3              | 3641      | 963        | 8538                 |  |  | 17                                                          | 2.3                 | 3641         | 963            | 8538           |
| 18                                                       | 2.2              | 3861      | 1021       | 8981                 |  |  | 18                                                          | 2.2                 | 3861         | 1021           | 8981           |
| 19                                                       | 2.3              | 4081      | 1079       | 9422                 |  |  | 19                                                          | 2.3                 | 4081         | 1079           | 9422           |
| 20                                                       | 2.2              | 4301      | 1137       | 9859                 |  |  | 20                                                          | 2.2                 | 4301         | 1137           | 9859           |
| 21                                                       | 2.1              | 4521      | 1195       | 10294                |  |  | 21                                                          | 2.1                 | 4521         | 1195           | 10294          |
| 22                                                       | 2.2              | 4741      | 1253       | 10727                |  |  | 22                                                          | 2.2                 | 4741         | 1253           | 10727          |
| 23                                                       | 2.1              | 4961      | 1311       | 11157                |  |  | 23                                                          | 2.1                 | 4961         | 1311           | 11157          |
| 24                                                       | 2.1              | 5181      | 1369       | 11586                |  |  | 24                                                          | 2.1                 | 5181         | 1369           | 11586          |
| 25                                                       | 2.1              | 5401      | 1427       | 12012                |  |  | 25                                                          | 2.1                 | 5401         | 1427           | 12012          |
| Total:                                                   | 78.9             | 69 025    | 18 290     | 165 015              |  |  | Итого:                                                      | 78.9                | 69 025       | 18 290         | 165 015        |
| Discount on M2 when parameter is fully upgraded – 33.75% |                  |           |            |                      |  |  | Скидка на M2 при полной прокачке данного параметра — 33.75% |                     |              |                |                |
| Top speed                                                |                  |           |            |                      |  |  | Максимальная скорость                                       |                     |              |                |                |
| (3.35 → 3,93)                                            |                  |           |            |                      |  |  | (3.35 → 3.93), м/с                                          |                     |              |                |                |
| Step                                                     | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  | Номер шага                                                  | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |
| 1                                                        | 0.08             | 32        | 10         | 197                  |  |  | 1                                                           | 0.08                | 32           | 10             | 197            |
| 2                                                        | 0.05             | 102       | 28         | 457                  |  |  | 2                                                           | 0.05                | 102          | 28             | 457            |
| 3                                                        | 0.04             | 172       | 47         | 693                  |  |  | 3                                                           | 0.04                | 172          | 47             | 693            |
| 4                                                        | 0.03             | 242       | 65         | 899                  |  |  | 4                                                           | 0.03                | 242          | 65             | 899            |
| 5                                                        | 0.03             | 311       | 83         | 1096                 |  |  | 5                                                           | 0.03                | 311          | 83             | 1096           |
| 6                                                        | 0.03             | 381       | 102        | 1295                 |  |  | 6                                                           | 0.03                | 381          | 102            | 1295           |
| 7                                                        | 0.03             | 451       | 120        | 1479                 |  |  | 7                                                           | 0.03                | 451          | 120            | 1479           |
| 8                                                        | 0.02             | 521       | 138        | 1659                 |  |  | 8                                                           | 0.02                | 521          | 138            | 1659           |
| 9                                                        | 0.02             | 591       | 157        | 1844                 |  |  | 9                                                           | 0.02                | 591          | 157            | 1844           |
| 10                                                       | 0.03             | 661       | 175        | 2017                 |  |  | 10                                                          | 0.03                | 661          | 175            | 2017           |
| 11                                                       | 0.02             | 730       | 194        | 2197                 |  |  | 11                                                          | 0.02                | 730          | 194            | 2197           |
| 12                                                       | 0.02             | 800       | 212        | 2365                 |  |  | 12                                                          | 0.02                | 800          | 212            | 2365           |
| 13                                                       | 0.02             | 870       | 230        | 2531                 |  |  | 13                                                          | 0.02                | 870          | 230            | 2531           |
| 14                                                       | 0.02             | 940       | 249        | 2704                 |  |  | 14                                                          | 0.02                | 940          | 249            | 2704           |
| 15                                                       | 0.02             | 1010      | 267        | 2866                 |  |  | 15                                                          | 0.02                | 1010         | 267            | 2866           |
| 16                                                       | 0.02             | 1080      | 285        | 3027                 |  |  | 16                                                          | 0.02                | 1080         | 285            | 3027           |
| 17                                                       | 0.02             | 1150      | 304        | 3196                 |  |  | 17                                                          | 0.02                | 1150         | 304            | 3196           |
| 18                                                       | 0.02             | 1219      | 322        | 3354                 |  |  | 18                                                          | 0.02                | 1219         | 322            | 3354           |
| 19                                                       | 0.02             | 1289      | 340        | 3511                 |  |  | 19                                                          | 0.02                | 1289         | 340            | 3511           |
| 20                                                       | 0.02             | 1359      | 359        | 3676                 |  |  | 20                                                          | 0.02                | 1359         | 359            | 3676           |
| 21                                                       | 0.02             | 1429      | 377        | 3831                 |  |  | 21                                                          | 0.02                | 1429         | 377            | 3831           |
| Total:                                                   | 0.58             | 15 340    | 4 064      | 44894                |  |  | Итого:                                                      | 0.58                | 15 340       | 4 064          | 44894          |
| Discount on M2 when parameter is fully upgraded – 7.5%   |                  |           |            |                      |  |  | Скидка на M2 при полной прокачке данного параметра — 7.5%   |                     |              |                |                |
| Turning speed                                            |                  |           |            |                      |  |  | Скорость поворота                                           |                     |              |                |                |
| (25.29 → 33.67)                                          |                  |           |            |                      |  |  | (25.29 → 33.67), град/с                                     |                     |              |                |                |
| Step                                                     | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  | Номер шага                                                  | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |
| 1                                                        | 1.07             | 14        | 4          | 89                   |  |  | 1                                                           | 1.07                | 14           | 4              | 89             |
| 2                                                        | 0.69             | 38        | 10         | 197                  |  |  | 2                                                           | 0.69                | 38           | 10             | 197            |
| 3                                                        | 0.55             | 63        | 17         | 305                  |  |  | 3                                                           | 0.55                | 63           | 17             | 305            |
| 4                                                        | 0.46             | 87        | 23         | 390                  |  |  | 4                                                           | 0.46                | 87           | 23             | 390            |
| 5                                                        | 0.41             | 112       | 30         | 483                  |  |  | 5                                                           | 0.41                | 112          | 30             | 483            |
| 6                                                        | 0.38             | 136       | 36         | 559                  |  |  | 6                                                           | 0.38                | 136          | 36             | 559            |
| 7                                                        | 0.35             | 160       | 43         | 645                  |  |  | 7                                                           | 0.35                | 160          | 43             | 645            |
| 8                                                        | 0.32             | 185       | 49         | 716                  |  |  | 8                                                           | 0.32                | 185          | 49             | 716            |
| 9                                                        | 0.32             | 209       | 56         | 797                  |  |  | 9                                                           | 0.32                | 209          | 56             | 797            |
| 10                                                       | 0.3              | 234       | 62         | 866                  |  |  | 10                                                          | 0.3                 | 234          | 62             | 866            |
| 11                                                       | 0.28             | 258       | 68         | 932                  |  |  | 11                                                          | 0.28                | 258          | 68             | 932            |
| 12                                                       | 0.28             | 282       | 75         | 1009                 |  |  | 12                                                          | 0.28                | 282          | 75             | 1009           |
| 13                                                       | 0.28             | 307       | 81         | 1074                 |  |  | 13                                                          | 0.28                | 307          | 81             | 1074           |
| 14                                                       | 0.26             | 331       | 88         | 1149                 |  |  | 14                                                          | 0.26                | 331          | 88             | 1149           |

|                                                         |                  |           |            |                      |  |  |  |                                                            |                     |              |                |                |
|---------------------------------------------------------|------------------|-----------|------------|----------------------|--|--|--|------------------------------------------------------------|---------------------|--------------|----------------|----------------|
| 15                                                      | 0.26             | 356       | 94         | 1212                 |  |  |  | 15                                                         | 0.26                | 356          | 94             | 1212           |
| 16                                                      | 0.26             | 380       | 101        | 1285                 |  |  |  | 16                                                         | 0.26                | 380          | 101            | 1285           |
| 17                                                      | 0.25             | 404       | 107        | 1347                 |  |  |  | 17                                                         | 0.25                | 404          | 107            | 1347           |
| 18                                                      | 0.24             | 429       | 113        | 1408                 |  |  |  | 18                                                         | 0.24                | 429          | 113            | 1408           |
| 19                                                      | 0.25             | 453       | 120        | 1479                 |  |  |  | 19                                                         | 0.25                | 453          | 120            | 1479           |
| 20                                                      | 0.24             | 478       | 126        | 1539                 |  |  |  | 20                                                         | 0.24                | 478          | 126            | 1539           |
| 21                                                      | 0.23             | 502       | 133        | 1609                 |  |  |  | 21                                                         | 0.23                | 502          | 133            | 1609           |
| 22                                                      | 0.24             | 526       | 139        | 1669                 |  |  |  | 22                                                         | 0.24                | 526          | 139            | 1669           |
| 23                                                      | 0.23             | 551       | 146        | 1737                 |  |  |  | 23                                                         | 0.23                | 551          | 146            | 1737           |
| 24                                                      | 0.23             | 575       | 152        | 1796                 |  |  |  | 24                                                         | 0.23                | 575          | 152            | 1796           |
| 25                                                      | 0.23             | 600       | 159        | 1864                 |  |  |  | 25                                                         | 0.23                | 600          | 159            | 1864           |
| Total:                                                  | +8,38            | 7 670     | 2 032      | 26 156               |  |  |  | Итого:                                                     | 8.38                | 7 670        | 2 032          | 26 156         |
| Discount on M2 when parameter is fully upgraded – 3.75% |                  |           |            |                      |  |  |  | Скидка на M2 при полной прокатке данного параметра — 3.75% |                     |              |                |                |
| Weight                                                  |                  |           |            |                      |  |  |  | Масса                                                      |                     |              |                |                |
| (3853→4426)                                             |                  |           |            |                      |  |  |  | (3853→4426), усл.ед.                                       |                     |              |                |                |
| Step                                                    | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  |  | Номер шага                                                 | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |
| 1                                                       | 71               | 81        | 24         | 404                  |  |  |  | 1                                                          | 71                  | 81           | 24             | 404            |
| 2                                                       | 46               | 228       | 63         | 877                  |  |  |  | 2                                                          | 46                  | 228          | 63             | 877            |
| 3                                                       | 37               | 374       | 101        | 1285                 |  |  |  | 3                                                          | 37                  | 374          | 101            | 1285           |
| 4                                                       | 31               | 521       | 140        | 1678                 |  |  |  | 4                                                          | 31                  | 521          | 140            | 1678           |
| 5                                                       | 27               | 668       | 179        | 2055                 |  |  |  | 5                                                          | 27                  | 668          | 179            | 2055           |
| 6                                                       | 25               | 814       | 217        | 2411                 |  |  |  | 6                                                          | 25                  | 814          | 217            | 2411           |
| 7                                                       | 23               | 961       | 256        | 2767                 |  |  |  | 7                                                          | 23                  | 961          | 256            | 2767           |
| 8                                                       | 22               | 1108      | 295        | 3116                 |  |  |  | 8                                                          | 22                  | 1108         | 295            | 3116           |
| 9                                                       | 21               | 1254      | 333        | 3450                 |  |  |  | 9                                                          | 21                  | 1254         | 333            | 3450           |
| 10                                                      | 20               | 1401      | 372        | 3788                 |  |  |  | 10                                                         | 20                  | 1401         | 372            | 3788           |
| 11                                                      | 19               | 1548      | 410        | 4112                 |  |  |  | 11                                                         | 19                  | 1548         | 410            | 4112           |
| 12                                                      | 19               | 1694      | 449        | 4442                 |  |  |  | 12                                                         | 19                  | 1694         | 449            | 4442           |
| 13                                                      | 18               | 1841      | 488        | 4767                 |  |  |  | 13                                                         | 18                  | 1841         | 488            | 4767           |
| 14                                                      | 17               | 1987      | 526        | 5081                 |  |  |  | 14                                                         | 17                  | 1987         | 526            | 5081           |
| 15                                                      | 18               | 2134      | 565        | 5401                 |  |  |  | 15                                                         | 18                  | 2134         | 565            | 5401           |
| 16                                                      | 17               | 2281      | 604        | 5718                 |  |  |  | 16                                                         | 17                  | 2281         | 604            | 5718           |
| 17                                                      | 17               | 2427      | 642        | 6024                 |  |  |  | 17                                                         | 17                  | 2427         | 642            | 6024           |
| 18                                                      | 16               | 2574      | 681        | 6336                 |  |  |  | 18                                                         | 16                  | 2574         | 681            | 6336           |
| 19                                                      | 16               | 2721      | 720        | 6646                 |  |  |  | 19                                                         | 16                  | 2721         | 720            | 6646           |
| 20                                                      | 16               | 2867      | 758        | 6947                 |  |  |  | 20                                                         | 16                  | 2867         | 758            | 6947           |
| 21                                                      | 16               | 3014      | 797        | 7253                 |  |  |  | 21                                                         | 16                  | 3014         | 797            | 7253           |
| 22                                                      | 16               | 3161      | 836        | 7558                 |  |  |  | 22                                                         | 16                  | 3161         | 836            | 7558           |
| 23                                                      | 15               | 3307      | 874        | 7853                 |  |  |  | 23                                                         | 15                  | 3307         | 874            | 7853           |
| 24                                                      | 15               | 3454      | 913        | 8154                 |  |  |  | 24                                                         | 15                  | 3454         | 913            | 8154           |
| 25                                                      | 15               | 3601      | 951        | 8446                 |  |  |  | 25                                                         | 15                  | 3601         | 951            | 8446           |
| Total:                                                  | 573              | 46 021    | 12 194     | 116 569              |  |  |  | Итого:                                                     | 573                 | 46 021       | 12 194         | 116 569        |
| Discount on M2 when parameter is fully upgraded – 22.5% |                  |           |            |                      |  |  |  | Скидка на M2 при полной прокатке данного параметра — 22.5% |                     |              |                |                |
| Power                                                   |                  |           |            |                      |  |  |  | Мощность                                                   |                     |              |                |                |
| (606→778)                                               |                  |           |            |                      |  |  |  | (606→778), усл.ед.                                         |                     |              |                |                |
| Step                                                    | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  |  | Номер шага                                                 | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |
| 1                                                       | 21               | 27        | 8          | 163                  |  |  |  | 1                                                          | 21                  | 27           | 8              | 163            |
| 2                                                       | 14               | 76        | 21         | 363                  |  |  |  | 2                                                          | 14                  | 76           | 21             | 363            |
| 3                                                       | 11               | 125       | 34         | 534                  |  |  |  | 3                                                          | 11                  | 125          | 34             | 534            |
| 4                                                       | 9                | 174       | 47         | 693                  |  |  |  | 4                                                          | 9                   | 174          | 47             | 693            |
| 5                                                       | 8                | 223       | 60         | 843                  |  |  |  | 5                                                          | 8                   | 223          | 60             | 843            |
| 6                                                       | 8                | 271       | 72         | 977                  |  |  |  | 6                                                          | 8                   | 271          | 72             | 977            |
| 7                                                       | 7                | 320       | 85         | 1117                 |  |  |  | 7                                                          | 7                   | 320          | 85             | 1117           |
| 8                                                       | 6                | 369       | 98         | 1254                 |  |  |  | 8                                                          | 6                   | 369          | 98             | 1254           |
| 9                                                       | 7                | 418       | 111        | 1388                 |  |  |  | 9                                                          | 7                   | 418          | 111            | 1388           |
| 10                                                      | 6                | 467       | 124        | 1519                 |  |  |  | 10                                                         | 6                   | 467          | 124            | 1519           |
| 11                                                      | 5                | 516       | 137        | 1649                 |  |  |  | 11                                                         | 5                   | 516          | 137            | 1649           |
| 12                                                      | 6                | 565       | 150        | 1776                 |  |  |  | 12                                                         | 6                   | 565          | 150            | 1776           |
| 13                                                      | 6                | 614       | 163        | 1902                 |  |  |  | 13                                                         | 6                   | 614          | 163            | 1902           |
| 14                                                      | 5                | 662       | 175        | 2017                 |  |  |  | 14                                                         | 5                   | 662          | 175            | 2017           |
| 15                                                      | 5                | 711       | 188        | 2140                 |  |  |  | 15                                                         | 5                   | 711          | 188            | 2140           |
| 16                                                      | 5                | 760       | 201        | 2262                 |  |  |  | 16                                                         | 5                   | 760          | 201            | 2262           |
| 17                                                      | 5                | 809       | 214        | 2383                 |  |  |  | 17                                                         | 5                   | 809          | 214            | 2383           |
| 18                                                      | 5                | 858       | 227        | 2503                 |  |  |  | 18                                                         | 5                   | 858          | 227            | 2503           |
| 19                                                      | 5                | 907       | 240        | 2622                 |  |  |  | 19                                                         | 5                   | 907          | 240            | 2622           |
| 20                                                      | 5                | 956       | 253        | 2740                 |  |  |  | 20                                                         | 5                   | 956          | 253            | 2740           |
| 21                                                      | 4                | 1005      | 266        | 2857                 |  |  |  | 21                                                         | 4                   | 1005         | 266            | 2857           |
| 22                                                      | 5                | 1054      | 279        | 2974                 |  |  |  | 22                                                         | 5                   | 1054         | 279            | 2974           |
| 23                                                      | 5                | 1102      | 291        | 3081                 |  |  |  | 23                                                         | 5                   | 1102         | 291            | 3081           |
| 24                                                      | 4                | 1151      | 304        | 3196                 |  |  |  | 24                                                         | 4                   | 1151         | 304            | 3196           |
| 25                                                      | 5                | 1200      | 317        | 3310                 |  |  |  | 25                                                         | 5                   | 1200         | 317            | 3310           |
| Total:                                                  | 172              | 15 340    | 4 065      | 46 263               |  |  |  | Итого:                                                     | 172                 | 15 340       | 4 065          | 46 263         |

Totals  
Do  
Not  
Match  
Sums

|                                                          |           |         |        |                 |                                                             |           |         |          |           |
|----------------------------------------------------------|-----------|---------|--------|-----------------|-------------------------------------------------------------|-----------|---------|----------|-----------|
| Discount on M2 when parameter is fully upgraded – 7.5%   |           |         |        |                 | Скидка на M2 при полной прокачке данного параметра — 7.5%   |           |         |          |           |
| Micro-upgrades Mammoth M2                                |           |         |        |                 | Микропрокачки Мамонта M2                                    |           |         |          |           |
| Hull mammoth m2.png                                      |           |         |        |                 | Hull mammoth m2.png                                         |           |         |          |           |
| Protection                                               |           |         |        |                 | Броня                                                       |           |         |          |           |
| (298.7 → 359.3)                                          |           |         |        |                 | (298.7 → 359.3), х.п.                                       |           |         |          |           |
| Step                                                     | Parameter | Step    | Delay  | Instant upgrade | Номер                                                       | Изменение | Цена    | Время    | Цена      |
|                                                          | change    | cost    | time   | cost            | шага                                                        | параметра | запуска | ожидания | ускорения |
| 1                                                        | 7.5       | 633     | 668    | 6232            | 1                                                           | 7.5       | 633     | 668      | 6232      |
| 2                                                        | 4.9       | 1313    | 724    | 6678            | 2                                                           | 4.9       | 1313    | 724      | 6678      |
| 3                                                        | 3.8       | 1993    | 779    | 7112            | 3                                                           | 3.8       | 1993    | 779      | 7112      |
| 4                                                        | 3.3       | 2673    | 835    | 7550            | 4                                                           | 3.3       | 2673    | 835      | 7550      |
| 5                                                        | 2.9       | 3352    | 890    | 7977            | 5                                                           | 2.9       | 3352    | 890      | 7977      |
| 6                                                        | 2.6       | 4032    | 946    | 8408            | 6                                                           | 2.6       | 4032    | 946      | 8408      |
| 7                                                        | 2.5       | 4712    | 1001   | 8829            | 7                                                           | 2.5       | 4712    | 1001     | 8829      |
| 8                                                        | 2.3       | 5392    | 1057   | 9255            | 8                                                           | 2.3       | 5392    | 1057     | 9255      |
| 9                                                        | 2.2       | 6072    | 1113   | 9678            | 9                                                           | 2.2       | 6072    | 1113     | 9678      |
| 10                                                       | 2.1       | 6752    | 1168   | 10092           | 10                                                          | 2.1       | 6752    | 1168     | 10092     |
| 11                                                       | 2.1       | 7431    | 1224   | 10511           | 11                                                          | 2.1       | 7431    | 1224     | 10511     |
| 12                                                       | 1.9       | 8111    | 1279   | 10920           | 12                                                          | 1.9       | 8111    | 1279     | 10920     |
| 13                                                       | 1.9       | 8791    | 1335   | 11335           | 13                                                          | 1.9       | 8791    | 1335     | 11335     |
| 14                                                       | 1.9       | 9471    | 1391   | 11748           | 14                                                          | 1.9       | 9471    | 1391     | 11748     |
| 15                                                       | 1.9       | 10151   | 1446   | 12151           | 15                                                          | 1.9       | 10151   | 1446     | 12151     |
| 16                                                       | 1.7       | 10831   | 1502   | 12561           | 16                                                          | 1.7       | 10831   | 1502     | 12561     |
| 17                                                       | 1.8       | 11511   | 1557   | 12961           | 17                                                          | 1.8       | 11511   | 1557     | 12961     |
| 18                                                       | 1.8       | 12190   | 1613   | 13368           | 18                                                          | 1.8       | 12190   | 1613     | 13368     |
| 19                                                       | 1.7       | 12870   | 1668   | 13765           | 19                                                          | 1.7       | 12870   | 1668     | 13765     |
| 20                                                       | 1.7       | 13550   | 1724   | 14168           | 20                                                          | 1.7       | 13550   | 1724     | 14168     |
| 21                                                       | 1.6       | 14230   | 1780   | 14570           | 21                                                          | 1.6       | 14230   | 1780     | 14570     |
| 22                                                       | 1.7       | 14910   | 1835   | 14964           | 22                                                          | 1.7       | 14910   | 1835     | 14964     |
| 23                                                       | 1.6       | 15590   | 1891   | 15363           | 23                                                          | 1.6       | 15590   | 1891     | 15363     |
| 24                                                       | 1.6       | 16270   | 1946   | 15754           | 24                                                          | 1.6       | 16270   | 1946     | 15754     |
| 25                                                       | 1.6       | 16949   | 2002   | 16151           | 25                                                          | 1.6       | 16949   | 2002     | 16151     |
| Total:                                                   | 60.6      | 219 780 | 33 374 | 282 101         | Итого:                                                      | 60.6      | 219 780 | 33 374   | 282 101   |
| Discount on M3 when parameter is fully upgraded – 33.75% |           |         |        |                 | Скидка на M3 при полной прокачке данного параметра — 33.75% |           |         |          |           |
| Top speed                                                |           |         |        |                 | Максимальная скорость                                       |           |         |          |           |
| (4.12 →4.56)                                             |           |         |        |                 | (4.12 →4.56), м/с                                           |           |         |          |           |
| Step                                                     | Parameter | Step    | Delay  | Instant upgrade | Номер                                                       | Изменение | Цена    | Время    | Цена      |
|                                                          | change    | cost    | time   | cost            | шага                                                        | параметра | запуска | ожидания | ускорения |
| 1                                                        | 0.06      | 207     | 219    | 2430            | 1                                                           | 0.06      | 207     | 219      | 2430      |
| 2                                                        | 0.04      | 540     | 246    | 2677            | 2                                                           | 0.04      | 540     | 246      | 2677      |
| 3                                                        | 0.04      | 873     | 273    | 2920            | 3                                                           | 0.04      | 873     | 273      | 2920      |
| 4                                                        | 0.03      | 1207    | 300    | 3160            | 4                                                           | 0.03      | 1207    | 300      | 3160      |
| 5                                                        | 0.02      | 1540    | 328    | 3406            | 5                                                           | 0.02      | 1540    | 328      | 3406      |
| 6                                                        | 0.03      | 1873    | 355    | 3641            | 6                                                           | 0.03      | 1873    | 355      | 3641      |
| 7                                                        | 0.02      | 2206    | 382    | 3874            | 7                                                           | 0.02      | 2206    | 382      | 3874      |
| 8                                                        | 0.02      | 2540    | 409    | 4104            | 8                                                           | 0.02      | 2540    | 409      | 4104      |
| 9                                                        | 0.02      | 2873    | 436    | 4332            | 9                                                           | 0.02      | 2873    | 436      | 4332      |
| 10                                                       | 0.03      | 3206    | 463    | 4559            | 10                                                          | 0.03      | 3206    | 463      | 4559      |
| 11                                                       | 0.02      | 3539    | 491    | 4792            | 11                                                          | 0.02      | 3539    | 491      | 4792      |
| 12                                                       | 0.02      | 3873    | 518    | 5015            | 12                                                          | 0.02      | 3873    | 518      | 5015      |
| 13                                                       | 0.01      | 4206    | 545    | 5237            | 13                                                          | 0.01      | 4206    | 545      | 5237      |
| 14                                                       | 0.02      | 4539    | 572    | 5458            | 14                                                          | 0.02      | 4539    | 572      | 5458      |
| 15                                                       | 0.02      | 4872    | 599    | 5677            | 15                                                          | 0.02      | 4872    | 599      | 5677      |
| 16                                                       | 0.02      | 5206    | 626    | 5895            | 16                                                          | 0.02      | 5206    | 626      | 5895      |
| 17                                                       | 0.02      | 5539    | 654    | 6120            | 17                                                          | 0.02      | 5539    | 654      | 6120      |
| Total:                                                   | 0.44      | 48 839  | 7 416  | 73 297          | Итого:                                                      | 0.44      | 48 839  | 7 416    | 73 297    |
| Discount on M3 when parameter is fully upgraded – 7.5%   |           |         |        |                 | Скидка на M3 при полной прокачке данного параметра — 7.5%   |           |         |          |           |
| Turning speed                                            |           |         |        |                 | Скорость поворота                                           |           |         |          |           |
| (36.76 → 43.38)                                          |           |         |        |                 | (36.76 → 43.38), град/с                                     |           |         |          |           |
| Step                                                     | Parameter | Step    | Delay  | Instant upgrade | Номер                                                       | Изменение | Цена    | Время    | Цена      |
|                                                          | change    | cost    | time   | cost            | шага                                                        | параметра | запуска | ожидания | ускорения |
| 1                                                        | 0.82      | 71      | 75     | 1009            | 1                                                           | 0.82      | 71      | 75       | 1009      |
| 2                                                        | 0.54      | 146     | 81     | 1074            | 2                                                           | 0.54      | 146     | 81       | 1074      |
| 3                                                        | 0.42      | 222     | 87     | 1138            | 3                                                           | 0.42      | 222     | 87       | 1138      |
| 4                                                        | 0.35      | 297     | 93     | 1202            | 4                                                           | 0.35      | 297     | 93       | 1202      |
| 5                                                        | 0.32      | 373     | 99     | 1264            | 5                                                           | 0.32      | 373     | 99       | 1264      |
| 6                                                        | 0.29      | 448     | 106    | 1337            | 6                                                           | 0.29      | 448     | 106      | 1337      |
| 7                                                        | 0.27      | 524     | 112    | 1398            | 7                                                           | 0.27      | 524     | 112      | 1398      |
| 8                                                        | 0.25      | 599     | 118    | 1459            | 8                                                           | 0.25      | 599     | 118      | 1459      |
| 9                                                        | 0.24      | 675     | 124    | 1519            | 9                                                           | 0.24      | 675     | 124      | 1519      |

|                                                         |           |         |        |                 |  |  |  |                                                            |           |         |          |           |
|---------------------------------------------------------|-----------|---------|--------|-----------------|--|--|--|------------------------------------------------------------|-----------|---------|----------|-----------|
| 10                                                      | 0.23      | 750     | 130    | 1579            |  |  |  | 10                                                         | 0.23      | 750     | 130      | 1579      |
| 11                                                      | 0.22      | 826     | 136    | 1639            |  |  |  | 11                                                         | 0.22      | 826     | 136      | 1639      |
| 12                                                      | 0.22      | 901     | 142    | 1698            |  |  |  | 12                                                         | 0.22      | 901     | 142      | 1698      |
| 13                                                      | 0.21      | 977     | 148    | 1757            |  |  |  | 13                                                         | 0.21      | 977     | 148      | 1757      |
| 14                                                      | 0.2       | 1052    | 154    | 1815            |  |  |  | 14                                                         | 0.2       | 1052    | 154      | 1815      |
| 15                                                      | 0.2       | 1128    | 161    | 1883            |  |  |  | 15                                                         | 0.2       | 1128    | 161      | 1883      |
| 16                                                      | 0.2       | 1203    | 167    | 1941            |  |  |  | 16                                                         | 0.2       | 1203    | 167      | 1941      |
| 17                                                      | 0.19      | 1279    | 173    | 1998            |  |  |  | 17                                                         | 0.19      | 1279    | 173      | 1998      |
| 18                                                      | 0.19      | 1354    | 179    | 2055            |  |  |  | 18                                                         | 0.19      | 1354    | 179      | 2055      |
| 19                                                      | 0.19      | 1430    | 185    | 2112            |  |  |  | 19                                                         | 0.19      | 1430    | 185      | 2112      |
| 20                                                      | 0.18      | 1505    | 191    | 2169            |  |  |  | 20                                                         | 0.18      | 1505    | 191      | 2169      |
| 21                                                      | 0.18      | 1581    | 197    | 2225            |  |  |  | 21                                                         | 0.18      | 1581    | 197      | 2225      |
| 22                                                      | 0.18      | 1656    | 203    | 2281            |  |  |  | 22                                                         | 0.18      | 1656    | 203      | 2281      |
| 23                                                      | 0.18      | 1732    | 209    | 2337            |  |  |  | 23                                                         | 0.18      | 1732    | 209      | 2337      |
| 24                                                      | 0.18      | 1807    | 216    | 2402            |  |  |  | 24                                                         | 0.18      | 1807    | 216      | 2402      |
| 25                                                      | 0.17      | 1883    | 222    | 2457            |  |  |  | 25                                                         | 0.17      | 1883    | 222      | 2457      |
| Total:                                                  | 6.62      | 24 419  | 3 708  | 43 748          |  |  |  | Итого:                                                     | 6.62      | 24 419  | 3 708    | 43 748    |
| Discount on M3 when parameter is fully upgraded – 3.75% |           |         |        |                 |  |  |  | Скидка на М3 при полной прокачке данного параметра — 3.75% |           |         |          |           |
| Weight                                                  |           |         |        |                 |  |  |  | Масса                                                      |           |         |          |           |
| (4618→5059)                                             |           |         |        |                 |  |  |  | (4618→5059), усл.ед.                                       |           |         |          |           |
| Step                                                    | Parameter | Step    | Delay  | Instant upgrade |  |  |  | Номер                                                      | Изменение | Цена    | Время    | Цена      |
|                                                         | change    | cost    | time   | cost            |  |  |  | шага                                                       | параметра | запуска | ожидания | ускорения |
| 1                                                       | 54        | 422     | 445    | 4408            |  |  |  | 1                                                          | 54        | 422     | 445      | 4408      |
| 2                                                       | 36        | 875     | 482    | 4717            |  |  |  | 2                                                          | 36        | 875     | 482      | 4717      |
| 3                                                       | 28        | 1328    | 519    | 5024            |  |  |  | 3                                                          | 28        | 1328    | 519      | 5024      |
| 4                                                       | 24        | 1782    | 556    | 5327            |  |  |  | 4                                                          | 24        | 1782    | 556      | 5327      |
| 5                                                       | 21        | 2235    | 593    | 5629            |  |  |  | 5                                                          | 21        | 2235    | 593      | 5629      |
| 6                                                       | 19        | 2688    | 630    | 5928            |  |  |  | 6                                                          | 19        | 2688    | 630      | 5928      |
| 7                                                       | 18        | 3141    | 667    | 6225            |  |  |  | 7                                                          | 18        | 3141    | 667      | 6225      |
| 8                                                       | 17        | 3595    | 705    | 6527            |  |  |  | 8                                                          | 17        | 3595    | 705      | 6527      |
| 9                                                       | 16        | 4048    | 742    | 6820            |  |  |  | 9                                                          | 16        | 4048    | 742      | 6820      |
| 10                                                      | 15        | 4501    | 779    | 7112            |  |  |  | 10                                                         | 15        | 4501    | 779      | 7112      |
| 11                                                      | 15        | 4954    | 816    | 7402            |  |  |  | 11                                                         | 15        | 4954    | 816      | 7402      |
| 12                                                      | 14        | 5408    | 853    | 7690            |  |  |  | 12                                                         | 14        | 5408    | 853      | 7690      |
| 13                                                      | 14        | 5861    | 890    | 7977            |  |  |  | 13                                                         | 14        | 5861    | 890      | 7977      |
| 14                                                      | 14        | 6314    | 927    | 8262            |  |  |  | 14                                                         | 14        | 6314    | 927      | 8262      |
| 15                                                      | 13        | 6767    | 964    | 8546            |  |  |  | 15                                                         | 13        | 6767    | 964      | 8546      |
| 16                                                      | 13        | 7221    | 1001   | 8829            |  |  |  | 16                                                         | 13        | 7221    | 1001     | 8829      |
| 17                                                      | 13        | 7674    | 1038   | 9111            |  |  |  | 17                                                         | 13        | 7674    | 1038     | 9111      |
| 18                                                      | 13        | 8127    | 1075   | 9391            |  |  |  | 18                                                         | 13        | 8127    | 1075     | 9391      |
| 19                                                      | 12        | 8580    | 1112   | 9671            |  |  |  | 19                                                         | 12        | 8580    | 1112     | 9671      |
| 20                                                      | 12        | 9033    | 1150   | 9957            |  |  |  | 20                                                         | 12        | 9033    | 1150     | 9957      |
| 21                                                      | 12        | 9487    | 1187   | 10234           |  |  |  | 21                                                         | 12        | 9487    | 1187     | 10234     |
| 22                                                      | 12        | 9940    | 1224   | 10511           |  |  |  | 22                                                         | 12        | 9940    | 1224     | 10511     |
| 23                                                      | 12        | 10393   | 1261   | 10786           |  |  |  | 23                                                         | 12        | 10393   | 1261     | 10786     |
| 24                                                      | 12        | 10846   | 1298   | 11061           |  |  |  | 24                                                         | 12        | 10846   | 1298     | 11061     |
| 25                                                      | 12        | 11300   | 1335   | 11335           |  |  |  | 25                                                         | 12        | 11300   | 1335     | 11335     |
| Total:                                                  | 441       | 146 520 | 22 249 | 198 480         |  |  |  | Итого:                                                     | 441       | 146 520 | 22 249   | 198 480   |
| Discount on M3 when parameter is fully upgraded – 22.5% |           |         |        |                 |  |  |  | Скидка на М3 при полной прокачке данного параметра — 22.5% |           |         |          |           |
| Power                                                   |           |         |        |                 |  |  |  | Мощность                                                   |           |         |          |           |
| (835→968)                                               |           |         |        |                 |  |  |  | (835→968), усл.ед.                                         |           |         |          |           |
| Step                                                    | Parameter | Step    | Delay  | Instant upgrade |  |  |  | Номер                                                      | Изменение | Цена    | Время    | Цена      |
|                                                         | change    | cost    | time   | cost            |  |  |  | шага                                                       | параметра | запуска | ожидания | ускорения |
| 1                                                       | 17        | 141     | 149    | 1767            |  |  |  | 1                                                          | 17        | 141     | 149      | 1767      |
| 2                                                       | 10        | 292     | 161    | 1883            |  |  |  | 2                                                          | 10        | 292     | 161      | 1883      |
| 3                                                       | 9         | 443     | 174    | 2008            |  |  |  | 3                                                          | 9         | 443     | 174      | 2008      |
| 4                                                       | 7         | 594     | 186    | 2122            |  |  |  | 4                                                          | 7         | 594     | 186      | 2122      |
| 5                                                       | 6         | 745     | 198    | 2234            |  |  |  | 5                                                          | 6         | 745     | 198      | 2234      |
| 6                                                       | 6         | 896     | 211    | 2356            |  |  |  | 6                                                          | 6         | 896     | 211      | 2356      |
| 7                                                       | 5         | 1047    | 223    | 2466            |  |  |  | 7                                                          | 5         | 1047    | 223      | 2466      |
| 8                                                       | 5         | 1198    | 235    | 2577            |  |  |  | 8                                                          | 5         | 1198    | 235      | 2577      |
| 9                                                       | 5         | 1349    | 247    | 2686            |  |  |  | 9                                                          | 5         | 1349    | 247      | 2686      |
| 10                                                      | 5         | 1500    | 260    | 2803            |  |  |  | 10                                                         | 5         | 1500    | 260      | 2803      |
| 11                                                      | 4         | 1652    | 272    | 2911            |  |  |  | 11                                                         | 4         | 1652    | 272      | 2911      |
| 12                                                      | 5         | 1803    | 284    | 3018            |  |  |  | 12                                                         | 5         | 1803    | 284      | 3018      |
| 13                                                      | 4         | 1954    | 297    | 3134            |  |  |  | 13                                                         | 4         | 1954    | 297      | 3134      |
| 14                                                      | 4         | 2105    | 309    | 3240            |  |  |  | 14                                                         | 4         | 2105    | 309      | 3240      |
| 15                                                      | 4         | 2256    | 321    | 3345            |  |  |  | 15                                                         | 4         | 2256    | 321      | 3345      |
| 16                                                      | 4         | 2407    | 334    | 3459            |  |  |  | 16                                                         | 4         | 2407    | 334      | 3459      |
| 17                                                      | 4         | 2558    | 346    | 3563            |  |  |  | 17                                                         | 4         | 2558    | 346      | 3563      |
| 18                                                      | 3         | 2709    | 358    | 3667            |  |  |  | 18                                                         | 3         | 2709    | 358      | 3667      |
| 19                                                      | 4         | 2860    | 370    | 3771            |  |  |  | 19                                                         | 4         | 2860    | 370      | 3771      |
| 20                                                      | 4         | 3011    | 383    | 3882            |  |  |  | 20                                                         | 4         | 3011    | 383      | 3882      |
| 21                                                      | 3         | 3162    | 395    | 3985            |  |  |  | 21                                                         | 3         | 3162    | 395      | 3985      |
| 22                                                      | 4         | 3313    | 407    | 4087            |  |  |  | 22                                                         | 4         | 3313    | 407      | 4087      |

|                                                        |           |         |        |                 |  |  |  |                                                           |           |         |          |           |
|--------------------------------------------------------|-----------|---------|--------|-----------------|--|--|--|-----------------------------------------------------------|-----------|---------|----------|-----------|
| 23                                                     | 4         | 3464    | 420    | 4197            |  |  |  | 23                                                        | 4         | 3464    | 420      | 4197      |
| 24                                                     | 3         | 3615    | 432    | 4299            |  |  |  | 24                                                        | 3         | 3615    | 432      | 4299      |
| 25                                                     | 4         | 3766    | 444    | 4400            |  |  |  | 25                                                        | 4         | 3766    | 444      | 4400      |
| Total:                                                 | 133       | 48 840  | 7 416  | 77 860          |  |  |  | Итого:                                                    | 133       | 48 840  | 7 416    | 77 860    |
| Discount on M3 when parameter is fully upgraded – 7.5% |           |         |        |                 |  |  |  | Скидка на М3 при полной прокачке данного параметра — 7.5% |           |         |          |           |
| Micro-upgrades Mammoth M3                              |           |         |        |                 |  |  |  | Микропрокачки Мамонта М3                                  |           |         |          |           |
| Hull mammoth m3.png                                    |           |         |        |                 |  |  |  | Hull mammoth m3.png                                       |           |         |          |           |
| Protection                                             |           |         |        |                 |  |  |  | Броня                                                     |           |         |          |           |
| (379.6 → 420)                                          |           |         |        |                 |  |  |  | (379.6 → 420), х.п.                                       |           |         |          |           |
| Step                                                   | Parameter | Step    | Delay  | Instant upgrade |  |  |  | Номер                                                     | Изменение | Цена    | Время    | Цена      |
|                                                        | change    | cost    | time   | cost            |  |  |  | шага                                                      | параметра | запуска | ожидания | ускорения |
| 1                                                      | 5         | 1165    | 481    | 4709            |  |  |  | 1                                                         | 5         | 1165    | 481      | 4709      |
| 2                                                      | 3.2       | 2373    | 521    | 5040            |  |  |  | 2                                                         | 3.2       | 2373    | 521      | 5040      |
| 3                                                      | 2.6       | 3580    | 561    | 5368            |  |  |  | 3                                                         | 2.6       | 3580    | 561      | 5368      |
| 4                                                      | 2.2       | 4788    | 601    | 5693            |  |  |  | 4                                                         | 2.2       | 4788    | 601      | 5693      |
| 5                                                      | 1.9       | 5995    | 641    | 6016            |  |  |  | 5                                                         | 1.9       | 5995    | 641      | 6016      |
| 6                                                      | 1.8       | 7203    | 681    | 6336            |  |  |  | 6                                                         | 1.8       | 7203    | 681      | 6336      |
| 7                                                      | 1.6       | 8411    | 721    | 6654            |  |  |  | 7                                                         | 1.6       | 8411    | 721      | 6654      |
| 8                                                      | 1.5       | 9618    | 761    | 6970            |  |  |  | 8                                                         | 1.5       | 9618    | 761      | 6970      |
| 9                                                      | 1.5       | 10826   | 801    | 7284            |  |  |  | 9                                                         | 1.5       | 10826   | 801      | 7284      |
| 10                                                     | 1.4       | 12034   | 841    | 7596            |  |  |  | 10                                                        | 1.4       | 12034   | 841      | 7596      |
| 11                                                     | 1.4       | 13241   | 881    | 7907            |  |  |  | 11                                                        | 1.4       | 13241   | 881      | 7907      |
| 12                                                     | 1.3       | 14449   | 921    | 8216            |  |  |  | 12                                                        | 1.3       | 14449   | 921      | 8216      |
| 13                                                     | 1.3       | 15656   | 961    | 8523            |  |  |  | 13                                                        | 1.3       | 15656   | 961      | 8523      |
| 14                                                     | 1.2       | 16864   | 1001   | 8829            |  |  |  | 14                                                        | 1.2       | 16864   | 1001     | 8829      |
| 15                                                     | 1.2       | 18072   | 1041   | 9133            |  |  |  | 15                                                        | 1.2       | 18072   | 1041     | 9133      |
| 16                                                     | 1.2       | 19279   | 1081   | 9437            |  |  |  | 16                                                        | 1.2       | 19279   | 1081     | 9437      |
| 17                                                     | 1.2       | 20487   | 1121   | 9739            |  |  |  | 17                                                        | 1.2       | 20487   | 1121     | 9739      |
| 18                                                     | 1.2       | 21694   | 1161   | 10039           |  |  |  | 18                                                        | 1.2       | 21694   | 1161     | 10039     |
| 19                                                     | 1.1       | 22902   | 1201   | 10339           |  |  |  | 19                                                        | 1.1       | 22902   | 1201     | 10339     |
| 20                                                     | 1.1       | 24110   | 1241   | 10637           |  |  |  | 20                                                        | 1.1       | 24110   | 1241     | 10637     |
| 21                                                     | 1.2       | 25317   | 1281   | 10935           |  |  |  | 21                                                        | 1.2       | 25317   | 1281     | 10935     |
| 22                                                     | 1.1       | 26525   | 1321   | 11231           |  |  |  | 22                                                        | 1.1       | 26525   | 1321     | 11231     |
| 23                                                     | 1.1       | 27733   | 1361   | 11527           |  |  |  | 23                                                        | 1.1       | 27733   | 1361     | 11527     |
| 24                                                     | 1         | 28940   | 1401   | 11821           |  |  |  | 24                                                        | 1         | 28940   | 1401     | 11821     |
| 25                                                     | 1.1       | 30148   | 1441   | 12115           |  |  |  | 25                                                        | 1.1       | 30148   | 1441     | 12115     |
| Total:                                                 | 40.4      | 391 410 | 24 025 | 212 094         |  |  |  | Итого:                                                    | 40.4      | 391 410 | 24 025   | 212 094   |
| Top speed                                              |           |         |        |                 |  |  |  | Максимальная скорость                                     |           |         |          |           |
| (4.71 → 5)                                             |           |         |        |                 |  |  |  | (4.71 → 5), м/с                                           |           |         |          |           |
| Step                                                   | Parameter | Step    | Delay  | Instant upgrade |  |  |  | Номер                                                     | Изменение | Цена    | Время    | Цена      |
|                                                        | change    | cost    | time   | cost            |  |  |  | шага                                                      | параметра | запуска | ожидания | ускорения |
| 1                                                      | 0.04      | 540     | 223    | 2466            |  |  |  | 1                                                         | 0.04      | 540     | 223      | 2466      |
| 2                                                      | 0.04      | 1760    | 263    | 2830            |  |  |  | 2                                                         | 0.04      | 1760    | 263      | 2830      |
| 3                                                      | 0.03      | 2979    | 304    | 3196            |  |  |  | 3                                                         | 0.03      | 2979    | 304      | 3196      |
| 4                                                      | 0.02      | 4199    | 344    | 3546            |  |  |  | 4                                                         | 0.02      | 4199    | 344      | 3546      |
| 5                                                      | 0.02      | 5419    | 384    | 3891            |  |  |  | 5                                                         | 0.02      | 5419    | 384      | 3891      |
| 6                                                      | 0.03      | 6638    | 425    | 4239            |  |  |  | 6                                                         | 0.03      | 6638    | 425      | 4239      |
| 7                                                      | 0.02      | 7858    | 465    | 4576            |  |  |  | 7                                                         | 0.02      | 7858    | 465      | 4576      |
| 8                                                      | 0.02      | 9078    | 506    | 4916            |  |  |  | 8                                                         | 0.02      | 9078    | 506      | 4916      |
| 9                                                      | 0.01      | 10298   | 546    | 5246            |  |  |  | 9                                                         | 0.01      | 10298   | 546      | 5246      |
| 10                                                     | 0.02      | 11517   | 586    | 5572            |  |  |  | 10                                                        | 0.02      | 11517   | 586      | 5572      |
| 11                                                     | 0.02      | 12737   | 627    | 5903            |  |  |  | 11                                                        | 0.02      | 12737   | 627      | 5903      |
| 12                                                     | 0.02      | 13957   | 667    | 6225            |  |  |  | 12                                                        | 0.02      | 13957   | 667      | 6225      |
| Total:                                                 | 0.29      | 86 980  | 5 340  | 52 606          |  |  |  | Итого:                                                    | 0.29      | 86 980  | 5 340    | 52 606    |
| Turning speed                                          |           |         |        |                 |  |  |  | Скорость поворота                                         |           |         |          |           |
| (45.59 → 50)                                           |           |         |        |                 |  |  |  | (45.59 → 50), град/с                                      |           |         |          |           |
| Step                                                   | Parameter | Step    | Delay  | Instant upgrade |  |  |  | Номер                                                     | Изменение | Цена    | Время    | Цена      |
|                                                        | change    | cost    | time   | cost            |  |  |  | шага                                                      | параметра | запуска | ожидания | ускорения |
| 1                                                      | 0.54      | 130     | 54     | 774             |  |  |  | 1                                                         | 0.54      | 130     | 54       | 774       |
| 2                                                      | 0.36      | 264     | 58     | 820             |  |  |  | 2                                                         | 0.36      | 264     | 58       | 820       |
| 3                                                      | 0.28      | 398     | 63     | 877             |  |  |  | 3                                                         | 0.28      | 398     | 63       | 877       |
| 4                                                      | 0.24      | 532     | 67     | 921             |  |  |  | 4                                                         | 0.24      | 532     | 67       | 921       |
| 5                                                      | 0.21      | 667     | 72     | 977             |  |  |  | 5                                                         | 0.21      | 667     | 72       | 977       |
| 6                                                      | 0.19      | 801     | 76     | 1020            |  |  |  | 6                                                         | 0.19      | 801     | 76       | 1020      |
| 7                                                      | 0.18      | 935     | 80     | 1063            |  |  |  | 7                                                         | 0.18      | 935     | 80       | 1063      |
| 8                                                      | 0.17      | 1069    | 85     | 1117            |  |  |  | 8                                                         | 0.17      | 1069    | 85       | 1117      |
| 9                                                      | 0.16      | 1203    | 89     | 1159            |  |  |  | 9                                                         | 0.16      | 1203    | 89       | 1159      |
| 10                                                     | 0.15      | 1337    | 94     | 1212            |  |  |  | 10                                                        | 0.15      | 1337    | 94       | 1212      |
| 11                                                     | 0.15      | 1471    | 98     | 1254            |  |  |  | 11                                                        | 0.15      | 1471    | 98       | 1254      |
| 12                                                     | 0.14      | 1605    | 102    | 1295            |  |  |  | 12                                                        | 0.14      | 1605    | 102      | 1295      |
| 13                                                     | 0.14      | 1740    | 107    | 1347            |  |  |  | 13                                                        | 0.14      | 1740    | 107      | 1347      |

|             |                  |           |            |                      |  |  |  |                      |                     |              |                |                |
|-------------|------------------|-----------|------------|----------------------|--|--|--|----------------------|---------------------|--------------|----------------|----------------|
| 14          | 0.14             | 1874      | 111        | 1388                 |  |  |  | 14                   | 0.14                | 1874         | 111            | 1388           |
| 15          | 0.13             | 2008      | 116        | 1439                 |  |  |  | 15                   | 0.13                | 2008         | 116            | 1439           |
| 16          | 0.13             | 2142      | 120        | 1479                 |  |  |  | 16                   | 0.13                | 2142         | 120            | 1479           |
| 17          | 0.13             | 2276      | 124        | 1519                 |  |  |  | 17                   | 0.13                | 2276         | 124            | 1519           |
| 18          | 0.13             | 2410      | 129        | 1569                 |  |  |  | 18                   | 0.13                | 2410         | 129            | 1569           |
| 19          | 0.12             | 2544      | 133        | 1609                 |  |  |  | 19                   | 0.12                | 2544         | 133            | 1609           |
| 20          | 0.13             | 2679      | 138        | 1659                 |  |  |  | 20                   | 0.13                | 2679         | 138            | 1659           |
| 21          | 0.12             | 2813      | 142        | 1698                 |  |  |  | 21                   | 0.12                | 2813         | 142            | 1698           |
| 22          | 0.12             | 2947      | 146        | 1737                 |  |  |  | 22                   | 0.12                | 2947         | 146            | 1737           |
| 23          | 0.12             | 3081      | 151        | 1786                 |  |  |  | 23                   | 0.12                | 3081         | 151            | 1786           |
| 24          | 0.11             | 3215      | 155        | 1825                 |  |  |  | 24                   | 0.11                | 3215         | 155            | 1825           |
| 25          | 0.12             | 3349      | 160        | 1873                 |  |  |  | 25                   | 0.12                | 3349         | 160            | 1873           |
| Total:      | 4.39             | 43 490    | 2 670      | 33 417               |  |  |  | Итого:               | 4.39                | 43 490       | 2 670          | 33 417         |
| Weight      |                  |           |            |                      |  |  |  | Масса                |                     |              |                |                |
| (5206→5500) |                  |           |            |                      |  |  |  | (5206→5500), усл.ед. |                     |              |                |                |
| Step        | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  |  | Номер шага           | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |
| 1           | 36               | 777       | 321        | 3345                 |  |  |  | 1                    | 36                  | 777          | 321            | 3345           |
| 2           | 24               | 1582      | 348        | 3581                 |  |  |  | 2                    | 24                  | 1582         | 348            | 3581           |
| 3           | 19               | 2387      | 374        | 3805                 |  |  |  | 3                    | 19                  | 2387         | 374            | 3805           |
| 4           | 16               | 3192      | 401        | 4036                 |  |  |  | 4                    | 16                  | 3192         | 401            | 4036           |
| 5           | 14               | 3997      | 428        | 4265                 |  |  |  | 5                    | 14                  | 3997         | 428            | 4265           |
| 6           | 12               | 4802      | 454        | 4483                 |  |  |  | 6                    | 12                  | 4802         | 454            | 4483           |
| 7           | 12               | 5607      | 481        | 4709                 |  |  |  | 7                    | 12                  | 5607         | 481            | 4709           |
| 8           | 12               | 6412      | 508        | 4933                 |  |  |  | 8                    | 12                  | 6412         | 508            | 4933           |
| 9           | 10               | 7217      | 534        | 5147                 |  |  |  | 9                    | 10                  | 7217         | 534            | 5147           |
| 10          | 10               | 8022      | 561        | 5368                 |  |  |  | 10                   | 10                  | 8022         | 561            | 5368           |
| 11          | 10               | 8828      | 588        | 5588                 |  |  |  | 11                   | 10                  | 8828         | 588            | 5588           |
| 12          | 10               | 9633      | 614        | 5799                 |  |  |  | 12                   | 10                  | 9633         | 614            | 5799           |
| 13          | 9                | 10438     | 641        | 6016                 |  |  |  | 13                   | 9                   | 10438        | 641            | 6016           |
| 14          | 9                | 11243     | 667        | 6225                 |  |  |  | 14                   | 9                   | 11243        | 667            | 6225           |
| 15          | 9                | 12048     | 694        | 6440                 |  |  |  | 15                   | 9                   | 12048        | 694            | 6440           |
| 16          | 9                | 12853     | 721        | 6654                 |  |  |  | 16                   | 9                   | 12853        | 721            | 6654           |
| 17          | 8                | 13658     | 747        | 6860                 |  |  |  | 17                   | 8                   | 13658        | 747            | 6860           |
| 18          | 9                | 14463     | 774        | 7073                 |  |  |  | 18                   | 9                   | 14463        | 774            | 7073           |
| 19          | 8                | 15268     | 801        | 7284                 |  |  |  | 19                   | 8                   | 15268        | 801            | 7284           |
| 20          | 8                | 16073     | 827        | 7487                 |  |  |  | 20                   | 8                   | 16073        | 827            | 7487           |
| 21          | 8                | 16878     | 854        | 7698                 |  |  |  | 21                   | 8                   | 16878        | 854            | 7698           |
| 22          | 8                | 17683     | 881        | 7907                 |  |  |  | 22                   | 8                   | 17683        | 881            | 7907           |
| 23          | 8                | 18488     | 907        | 8108                 |  |  |  | 23                   | 8                   | 18488        | 907            | 8108           |
| 24          | 8                | 19293     | 934        | 8316                 |  |  |  | 24                   | 8                   | 19293        | 934            | 8316           |
| 25          | 8                | 20098     | 961        | 8523                 |  |  |  | 25                   | 8                   | 20098        | 961            | 8523           |
| Total:      | 294              | 260 940   | 16 021     | 149 650              |  |  |  | Итого:               | 294                 | 260 940      | 16 021         | 149 650        |
| Power       |                  |           |            |                      |  |  |  | Мощность             |                     |              |                |                |
| (1012→1100) |                  |           |            |                      |  |  |  | (1012→1100), усл.ед. |                     |              |                |                |
| Step        | Parameter change | Step cost | Delay time | Instant upgrade cost |  |  |  | Номер шага           | Изменение параметра | Цена запуска | Время ожидания | Цена ускорения |
| 1           | 11               | 259       | 107        | 1347                 |  |  |  | 1                    | 11                  | 259          | 107            | 1347           |
| 2           | 7                | 527       | 116        | 1439                 |  |  |  | 2                    | 7                   | 527          | 116            | 1439           |
| 3           | 5                | 796       | 125        | 1529                 |  |  |  | 3                    | 5                   | 796          | 125            | 1529           |
| 4           | 5                | 1064      | 134        | 1619                 |  |  |  | 4                    | 5                   | 1064         | 134            | 1619           |
| 5           | 4                | 1332      | 143        | 1708                 |  |  |  | 5                    | 4                   | 1332         | 143            | 1708           |
| 6           | 4                | 1601      | 151        | 1786                 |  |  |  | 6                    | 4                   | 1601         | 151            | 1786           |
| 7           | 4                | 1869      | 160        | 1873                 |  |  |  | 7                    | 4                   | 1869         | 160            | 1873           |
| 8           | 3                | 2137      | 169        | 1960                 |  |  |  | 8                    | 3                   | 2137         | 169            | 1960           |
| 9           | 3                | 2406      | 178        | 2046                 |  |  |  | 9                    | 3                   | 2406         | 178            | 2046           |
| 10          | 3                | 2674      | 187        | 2131                 |  |  |  | 10                   | 3                   | 2674         | 187            | 2131           |
| 11          | 3                | 2943      | 196        | 2216                 |  |  |  | 11                   | 3                   | 2943         | 196            | 2216           |
| 12          | 3                | 3211      | 205        | 2300                 |  |  |  | 12                   | 3                   | 3211         | 205            | 2300           |
| 13          | 3                | 3479      | 214        | 2383                 |  |  |  | 13                   | 3                   | 3479         | 214            | 2383           |
| 14          | 3                | 3748      | 222        | 2457                 |  |  |  | 14                   | 3                   | 3748         | 222            | 2457           |
| 15          | 2                | 4016      | 231        | 2540                 |  |  |  | 15                   | 2                   | 4016         | 231            | 2540           |
| 16          | 3                | 4284      | 240        | 2622                 |  |  |  | 16                   | 3                   | 4284         | 240            | 2622           |
| 17          | 3                | 4553      | 249        | 2704                 |  |  |  | 17                   | 3                   | 4553         | 249            | 2704           |
| 18          | 2                | 4821      | 258        | 2785                 |  |  |  | 18                   | 2                   | 4821         | 258            | 2785           |
| 19          | 3                | 5089      | 267        | 2866                 |  |  |  | 19                   | 3                   | 5089         | 267            | 2866           |
| 20          | 2                | 5358      | 276        | 2947                 |  |  |  | 20                   | 2                   | 5358         | 276            | 2947           |
| 21          | 3                | 5626      | 285        | 3027                 |  |  |  | 21                   | 3                   | 5626         | 285            | 3027           |
| 22          | 2                | 5894      | 294        | 3107                 |  |  |  | 22                   | 2                   | 5894         | 294            | 3107           |
| 23          | 2                | 6163      | 302        | 3178                 |  |  |  | 23                   | 2                   | 6163         | 302            | 3178           |
| 24          | 3                | 6431      | 311        | 3257                 |  |  |  | 24                   | 3                   | 6431         | 311            | 3257           |
| 25          | 2                | 6699      | 320        | 3336                 |  |  |  | 25                   | 2                   | 6699         | 320            | 3336           |
| Total:      | 88               | 86 980    | 5 340      | 59 163               |  |  |  | Итого:               | 88                  | 86 980       | 5 340          | 59 163         |